

***LineUp With Math™* Alignment
Academic Standards for Mathematics**

2.2 Computation and Estimation

2.2.11 Grade 11 Standard

B. Use estimation to solve problems for which an exact answer is not needed.

***LineUp With Math™* Activities**

--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.

2.3 Measurement and Estimation

2.3.11 Grade 11 Standard

A. Select and use appropriate units and tools to measure to the degree of accuracy required in particular measurement situations.

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

2.4 Mathematical Reasoning and Connections

2.4.11 Grade 11 Standard

E. Demonstrate mathematical solutions to problems (e.g., in the physical sciences).

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

2.5 Mathematical Problem Solving and Communication

2.5.11 Grade 11 Standard

C. Present mathematical procedures and results clearly, systematically, succinctly and correctly.

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

D. Conclude a solution process with a summary of results and evaluate the degree to which the results obtained represent an acceptable response to the initial problem and why the reasoning is valid.

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.